

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-001754**Date Inspected:** 08-Mar-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No			
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG				

**Summary of Items Observed:**

Caltrans Quality Assurance Inspector Gabriel Quintana (QA Inspector) arrived at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China to observe fabrication and Quality Control Inspectors (QC Inspectors) perform their duties and responsibilities as specified in the contract documents, approved plans, fabrications documents and Special Provisions for this project. While on site the QA Inspector observed the following:

**Production Monitoring test (PMT) and Fabrication**

Caltrans QA Inspector performed Ultrasonic Test (UT) inspection on ten Production Monitoring Tests (PMT's) for Deck Panels DP069-001 and DP029-001. Welding of the PMT's was completed and on 03-08-2008. PMT welds are identified as PMT#1 Weld #1 thru #6 and PMT#2 Weld #1 thru #4. QA Inspector found the following five welds not in compliance: PMT#1 Weld #4, PMT#1 Weld #5, PMT#1 Weld #6, PMT#2 Weld #2 and PMT#2 Weld #3. The following weld inspected appear to be in compliance with the contract documents, approved plans, fabrications documents and Special Provisions for this project: PMT#1 Weld #1, PMT#1 Weld #2, PMT#1 Weld #3, PMT#2 Weld #1 and PMT#2 Weld #4. See ultrasonic testing report TL-6027 Modified dated March 08, 2008 for more details.

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# WELDING INSPECTION REPORT

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## Summary of Conversations:

No conversations took place between the QA and QC Inspector.

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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**Inspected By:** Quintana, Gabriel

Quality Assurance Inspector

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**Reviewed By:** Hager, Craig

QA Reviewer